

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	(intravenous near injection) with (position location distance detect\$3) near vein	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:14
S2	23	( injection) with (position location distance detect\$3) near vein	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:16
S3	132	( inject\$3 syringe needle) with (position location distance detect\$3) near vein	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:24
S4	9092	(vein blood (blood near vessel)) near (\$4sensor\$3 \$4detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:18
S5	290	(ultrasound (ultra adj sound)) near (\$5processor processor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:39
S6	11	"5080103"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:33
S7	16	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:32
S8	15896	(vein blood arter\$3 (blood near vessel)) near (\$4sensor\$3 \$4detect\$3 locat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:22
S9	2571	(ultrasound (ultra adj sound)) with (\$5processor processor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:36

## EAST Search History

S10	194	S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:40
S11	10	((vein blood arter\$3 (blood near vessel)) near (\$4sensor\$3 \$4detect\$3 locat\$3)) with ((ultrasound (ultra adj sound)) with (\$5processor processor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 13:11
S12	345	600/461	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:55
S13	498	600/462	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 12:55
S14	50	S8 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 13:35
S15	1	(\$4sensor\$3 \$4detect\$3 locat\$3))near((vein blood arter\$3 (blood near vessel))with ((ultrasound (ultra adj sound)) with (\$5processor processor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 13:33
S16	2040	(\$4sensor\$3 \$4detect\$3 locat\$3))same((vein blood arter\$3 (blood near vessel))and((ultrasound (ultra adj sound)) and (\$5processor processor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:09
S17	45	S16 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 13:47
S18	276	600/505	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 13:47
S19	91	600/468	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:29

## EAST Search History

S20	14	S16 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 13:49
S21	16	("3622958"   "3920011"   "3921622"   "4290432"   "4319580"   "4354502"   "4689986"   "4996992"   "5577505"   "5632277"   "5678553"   "5706819"   "5902243"   "5980459"   "6361510"   "6408679").PN. OR ("6699191"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:08
S22	6541	(\$4sensor\$3 \$4detect\$3 locat\$3))and((vein blood arter\$3 (blood near vessel))and((ultrasound (ultra adj sound)) and (\$5processor processor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:07
S23	1	S22 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:08
S24	0	((("3622958"   "3920011"   "3921622"   "4290432"   "4319580"   "4354502"   "4689986"   "4996992"   "5577505"   "5632277"   "5678553"   "5706819"   "5902243"   "5980459"   "6361510"   "6408679").PN. OR ("6699191"). URPN.) with (\$4sensor\$3 \$4detect\$3 locat\$3))same((vein blood arter\$3 (blood near vessel))and((ultrasound (ultra adj sound)) and (\$5processor processor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:10
S25	0	((("3622958"   "3920011"   "3921622"   "4290432"   "4319580"   "4354502"   "4689986"   "4996992"   "5577505"   "5632277"   "5678553"   "5706819"   "5902243"   "5980459"   "6361510"   "6408679").PN. OR ("6699191"). URPN.) and (\$4sensor\$3 \$4detect\$3 locat\$3))same((vein blood arter\$3 (blood near vessel))and((ultrasound (ultra adj sound)) and (\$5processor processor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:10

## EAST Search History

S26	23	(syringe cylinder\$3) near (move mov\$3 shift\$3 afjust\$3) near (signal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:16
S28	1283	(syringe cylinder\$3) same (move mov\$3 shift\$3 afjust\$3) near (signal\$3 pulse\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:23
S29	595496	(syringe cylinder\$3) same (move mov\$3 shift\$3 afjust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:17
S30	16988	(syringe) same (move mov\$3 shift\$3 afjust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:25
S31	1714	(syringe) near (move mov\$3 shift\$3 afjust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:35
S32	17	S31 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:18
S33	99	S16 and "341"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:25
S34	1	S16 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:27
S35	45	S16 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:28
S36	0	S31 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:28

## EAST Search History

S37	74740	"600"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:29
S38	102	S31 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:29
S39	77	(syringe) near (signal signal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:35
S40	15600	(ultrasound (ultra adj sound)) and(\$5processor processor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:37
S41	7	S39 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 14:48
S42	3	"20020133079"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 15:04
S43	0	("2002/0133079").URPN.	USPAT	OR	ON	2006/12/18 15:05
S44	36	"4899756"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 15:53
S45	27	"5941889"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 15:53
S46	11	"5678555"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/18 16:07
S47	15	("4887606"   "4945239"   "5080103"   "5131395"   "5309915"   "5313951").PN. OR ("5678555"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 16:09

## EAST Search History

S48	11	"5309915"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 16:13
S49	7	"5131395"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 16:21
S50	10	"5080103"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 16:57
S51	15928	(vein blood arter\$3 (blood near vessel)) near (\$4sensor\$3 \$4detect\$3 locat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:02
S52	16319	(\$4sensor\$3 \$4detect\$3 locat\$3 FIND\$3 LOOK\$3)near (vein blood arter\$3 (blood near vessel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 08:59
S53	74821	"600"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:00
S54	4232	S52 AND S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:00
S55	15645	(ultrasound (ultra adj sound)) and(\$5processor processor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:02
S56	616	(ultrasound (ultra adj sound))SAME(vein blood arter\$3 (blood near vessel)) near (\$4sensor\$3 \$4detect\$3 locat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:03
S57	344	S54 AND S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:04
S58	3	"20020133079"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:08

## EAST Search History

S59	1705302	SENSOR	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:08
S60	179	S57 AND S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:22
S61	593	(AUTO ELECT\$4 SELF POWER)NEAR(CANNULAR SYRINGE)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:23
S62	8	S61 AND S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:23
S63	104	"3523523" "20020133079" "5490522" "6517530" "5608210" "5678555" "4530696" "6056692" "6283942" "5309915" "6266550" "6699191" "20020151795" "6730030" "20020002332"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 09:39
S64	14	("4457311"   "5010890"   "5080103"   "5080104"   "5131394"   "5148809"   "5167165"   "5309915"   "5557681"   "5676689"   "5678555"   "5865748").PN. OR ("6056692").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/21 09:57
S65	22	("3985133"   "4111198"   "4137913"   "4187057"   "4213454"   "4345594"   "4392847"   "4394862").PN. OR ("4530696"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/21 10:13
S66	10	"5678555"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/21 10:15
S67	7	"5131395"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/21 10:15
S68	26	"3523523"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 13:42



## EAST Search History

S69	16319	(\$4sensor\$3 \$4detect\$3 locat\$3 FIND\$3 LOOK\$3)near (vein blood arter\$3 (blood near vessel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 14:14
S70	0	(cylinder\$3 pistol pedestal syringe)near (syringe )same (move mov\$3 shift\$3 afjust\$3) near (signal\$3 pulse\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 14:12
S71	943	(cylinder\$3 pistol pedestal syringe)near (syringe )same (move mov\$3 shift\$3 afjust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 14:14
S72	8	S69 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 14:12
S73	0	(\$4sensor\$3 \$4detect\$3 locat\$3 FIND\$3 LOOK\$3)near (vein blood arter\$3 (blood near vessel)) with (cylinder\$3 pistol pedestal syringe)near (syringe )same (move mov\$3 shift\$3 adjust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 14:15
S74	8	(\$4sensor\$3 \$4detect\$3 locat\$3 FIND\$3 LOOK\$3)near (vein blood arter\$3 (blood near vessel)) and (cylinder\$3 pistol pedestal syringe)near (syringe )same (move mov\$3 shift\$3 adjust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 14:15
S75	1	(\$4sensor\$3 \$4detect\$3 locat\$3 FIND\$3 LOOK\$3)near (vein blood arter\$3 (blood near vessel)) same (cylinder\$3 pistol pedestal syringe)near (syringe )same (move mov\$3 shift\$3 adjust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 14:16
S76	23	(syringe cylinder\$3) near (move mov\$3 shift\$3 afjust\$3) near (signal\$3 signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:25
S77	39509	(syringe cylinder\$3) same (move mov\$3 shift\$3 afjust\$3) same (signal\$3 signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:51



## EAST Search History

S78	15928	(vein blood arter\$3 (blood near vessel)) near (\$4sensor\$3 \$4detect\$3 locat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:55
S79	74821	"600"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:40
S80	2574	(ultrasound (ultra adj sound)) with (\$5processor processor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:56
S81	15645	(ultrasound (ultra adj sound)) and(\$5processor processor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:41
S82	2	S77 and S78 and S79 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:41
S83	8761	(motor)same(move mov\$3 shift\$3 adjust\$3) near (signal\$3 signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:50
S84	233	S77 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:53
S85	923	(syringe) same (move mov\$3 shift\$3 adjust\$3) same (signal\$3 signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:34
S86	109	S85 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:54
S87	9	S86 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:57

## EAST Search History

S88	1	S80 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:57
S89	392772	(ultrasound (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:51
S90	243	S89 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:59
S91	64	S90 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 15:59
S92	8159	(vein blood arter\$3 (blood near vessel))same (ultrasound (ultra adj sound)transducer) same(signal\$3 pulse\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:25
S93	37	(vein blood arter\$3 (blood near vessel))near (ultrasound (ultra adj sound)transducer) near(signal\$3 pulse\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:24
S94	134	(syringe\$1)same (vein blood arter\$3 (blood near vessel))same (ultrasound (ultra adj sound)transducer) same(signal\$3 pulse\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:29
S95	1	(syringe\$1)near(signal\$3 pulse\$1)same(vein blood arter\$3 (blood near vessel))same (ultrasound (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:31
S96	1	(syringe\$1)near(signal\$3 pulse\$1)with(vein blood arter\$3 (blood near vessel))same (ultrasound (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:31
S97	1	(syringe\$1)near(signal\$3 pulse\$1)with(vein blood arter\$3 (blood near vessel))with (ultrasound (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:31

## EAST Search History

S98	5	(syringe\$1)with(signal\$3 pulse\$1)with(vein blood arter\$3 (blood near vessel))with (ultrasound (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:32
S99	3552	(syringe)same (signal\$3 signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:36
S100	434	S99 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:34
S101	254	S89 and S100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:34
S102	77	(syringe)near(signal\$3 signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:41
S103	87	(syringe)near(signal\$3 signal wave\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:43
S104	2560	(syringe pedestal\$1 piston\$1)near(signal\$3 signal wave\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:51
S105	272	S104 and S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:46
S106	11	S105 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:46
S107	54	(syringe pedestal\$1 piston\$1)near(signal\$3 signal wave\$1)with(ultrasound (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:02

## EAST Search History

S10 8	1	S79 and S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:53
S10 9	1348	(syringe pedestal\$1 piston\$1)near(vein blood arter\$3 (blood near vessel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 18:08
S11 0	0	S109 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:56
S11 1	0	(syringe pedestal\$1 piston\$1)near(vein blood arter\$3 (blood near vessel)) with (ultrasound (ultra adj sound)) with (\$5processor processor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:57
S11 2	4	syringe near propeller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:58
S11 3	40	syringe with propeller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 17:58
S11 5	2	(syringe pedestal\$1 piston\$1 needle)near(signal\$3 signal wave\$1) with (guid\$3 align\$4)near(ultrasound ultra\$4 (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:03
S11 6	211	(syringe pedestal\$1 piston\$1 needle inject\$4)near (guid\$3 align\$4)near(ultrasound ultra\$4 (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:40
S11 7	100	S116 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:25
S11 8	9	(Paltieli.in.) and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:36

## EAST Search History

S11 9	1	(infect\$4 contaminat\$3 disease germs) with(syringe pedestal\$1 piston\$1 needle inject\$4)near (guid\$3 align\$4)near(ultrasound ultra\$4 (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:02
S12 0	14	(cover top lid container) with(syringe pedestal\$1 piston\$1 needle inject\$4)near (guid\$3 align\$4)near(ultrasound ultra\$4 (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:44
S12 1	10	(sterile disinfect\$4) with(syringe pedestal\$1 piston\$1 needle inject\$4)near (guid\$3 align\$4)near(ultrasound ultra\$4 (ultra adj sound)transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/21 19:45
S12 2	50	("4407294"   "4899756"   "4911173"   "4967752"   "5078140"   "5158088"   "5170790"   "5251127"   "5280782"   "5397323").PN. OR ("5647373"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/21 19:48
S12 3	46	("3542014"   "3676584"   "4273111").PN. OR ("4407294"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/21 20:12
S12 4	50	("4407294"   "4899756"   "4911173"   "4967752"   "5078140"   "5158088"   "5170790"   "5251127"   "5280782"   "5397323").PN. OR ("5647373"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/21 20:20
S12 5	1	"60276396"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 17:32
S12 6	45	"5647373"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:01
S12 7	127133	(infect\$4 contaminat\$3 disease germs cover) with(syringe pedestal\$1 piston\$1 needle inject\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:03
S12 8	0	(cover and lid)near(infect\$4 contaminat\$3 disease germs cover) near(syringe pedestal\$1 piston\$1 needle inject\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:03

## EAST Search History

S12 9	5090	(cover and lid)same(infect\$4 contaminat\$3 disease germs cover) same(syringe pedestal\$1 piston\$1 needle inject\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:09
S13 0	74821	"600"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:04
S13 1	15645	(ultrasound (ultra adj sound)) and(\$5processor processor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:04
S13 2	2	S129 and S131 and S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:09
S13 3	6040	(cover and lid protector)same(infect\$4 contaminat\$3 disease germs cover) same(syringe pedestal\$1 piston\$1 needle inject\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:09
S13 4	8	S133 and S131 and S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:12
S13 5	83	S133 and S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 19:12
S13 6	3	"6575167"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/22 20:00
S13 7	45	"5647373"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/23 12:56

## EAST Search History

S13 8	67	PARALLEL SAME( ULTRAS\$9) SAME(NEEDLE SYRINGE) AND @AD<"20030827" AND MOTOR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:59
S13 9	54	PARALLEL SAME( ULTRAS\$9) SAME (propeller move motion MOTOR)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 13:16
S14 0	291	( ULTRAS\$9)and PARALLEL SAME (propeller move motion MOTOR)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:27
S14 1	39	PARALLEL SAME( ULTRAS\$9)with (propeller move motion MOTOR)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:47
S14 2	6	PARALLEL SAME( ULTRAS\$9)near (propeller move motion MOTOR)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:31
S14 3	0	PARALLEL SAME( ULTRAS\$9)near (propeller move motion MOTOR)near (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:31
S14 4	9073	(propeller move motion MOTOR)near (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:44



## EAST Search History

S14 5	31	PARALLEL SAME( ULTRAS\$9) and S144	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:44
S14 6	1	PARALLEL SAME( ULTRAS\$9) same(propeller move motion MOTOR)near (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:44
S14 7	40	PARALLEL SAME( ULTRAS\$9)with (propeller move motion MOTOR auto\$5)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:47
S14 8	1	S147 not S139	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:47
S14 9	159	PARALLEL SAME( ULTRAS\$9) SAME(NEEDLE SYRINGE) AND @AD<"20030827" AND (propeller move motion moving MOTOR)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:51
S15 0	160	PARALLEL SAME( ULTRAS\$9) SAME(NEEDLE SYRINGE) AND @AD<"20030827" AND (actuator propeller move motion moving MOTOR)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:51
S15 1	57	PARALLEL SAME( ULTRAS\$9) SAME (propeller move motion MOTOR actuator)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:53

## EAST Search History

S15 2	3	S151 not S139	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:52
S15 3	67	PARALLEL SAME( ULTRAS\$9) SAME (propeller move motion MOTOR actuator rotary)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:54
S15 4	64	S153 not S152	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:55
S15 5	10	S154 not S139	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 12:55
S15 6	229	PARALLEL SAME( ULTRAS\$9) SAME(NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 13:12
S15 7	3	"20020133079"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 13:13
S15 8	651	PARALLEL SAME( signal)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 13:16

## EAST Search History

S15 9	46	(ULTRAS\$9 transd\$9)same PARALLEL SAME( signal)same (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 13:23
S16 0	25	(ULTRAS\$9 transd\$9)same PARALLEL near (NEEDLE SYRINGE) AND @AD<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/15 13:23
S16 1	9	("4324236"   "4608989"   "4671292"   "4904240"   "5131394"   "5158088"   "5261409"   "5645566").PN. OR ("6068599"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/15 13:35
S16 2	13	"5634906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 15:50
S16 3	53	"5658259"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 15:54
S16 4	350	ultras\$9 same (needle syringe) same (motor propeller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/15 15:57
S16 5	24804206	@ad<"20030827"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 15:58
S16 6	225	S164 and S165	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 16:20

# EAST Search History

S16 7	40	"4108177"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 16:22
S16 8	33	"5690618"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 16:23